

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)***(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.  
13539(YOR9-2000-0196US1)Total Pages in this Submission  
3**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application invention entitled:

**UNIVERSAL CONVERSION SERVER**

and invented by:

**Dimitri Kanevsky**  
**Alexander Zlatsin**If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 20 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications *(if applicable)*
  - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
  - d. ☐ Reference to Microfiche Appendix *(if applicable)*
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings *(if drawings filed)*
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

**UTILITY PATENT APPLICATION TRANSMITTAL**  
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**3**

**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets 4
- b. ☐ Informal                      Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)*                      ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney                      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
6. ☐ Computer Program in Microfiche *(Appendix)*
7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

8. ☒ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☐ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class                      ☒ Express Mail *(Specify Label No.):* EL068599494US

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
13539(YOR9-2000-0196US1)

Total Pages in this Submission  
3

## Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

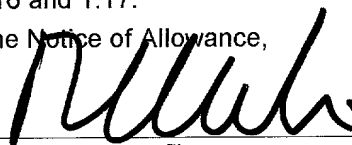
16. ☐ Additional Enclosures (please identify below):

## Fee Calculation and Transmittal

### CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	16	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	4	- 3 =	1	x \$78.00	\$78.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$690.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$768.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0510/IBM as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$768.00 as filing fee.
  - ☒ Credit any overpayment.
  - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Richard L. Catania  
Registration No. 32,608

SCULLY, SCOTT, MURPHY & PRESSER  
400 Garden City Plaza  
Garden City, New York 11530  
(516)742-4343

Dated: May 31, 2000

CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Dimitri Kanevsky, et al.**

Docket No.

**13539(YOR9-2000-0196US1)**

Serial No.

Unassigned

Filing Date

Herewith

Examiner

Unassigned

Group Art Unit

Unassigned

Invention: **UNIVERSAL CONVERSION SERVER**

13511 U.S. PRO  
09/584810  
05/31/00

I hereby certify that this **New Utility Patent Application***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231

on **May 31, 2000**  
*(Date)*

**Mishelle Spina***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EL068599494US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

UNIVERSAL CONVERSION SERVER

Background Of The Invention

5       The present invention relates to computer systems. More specifically, the invention relates to methods and systems for allowing a computer to work with input data that is in a format nominally incompatible with the computer.

10

Many forms of computer operating systems, hardware applications exist today, such as Macintosh, IBM, Intel, Dell, etc. A common problem among computer users today, is the difficulties and inconveniences caused by using, or trying to use, data from one operating system on a different operating system. For example, if a person receives through e-mail an application that was in a Macintosh format, that person may not be able to run the application if they have a Dell computer.

15

20

A commonly used solution for this problem is a filter that is located in the application and that allows certain files to be formatted to another type of application. This solution is inconvenient, however, because it is very difficult to find all the types of filters that would be needed so that every type of file could be used. For example, Microsoft Word file formatted to WordPro file or format file from one version of application to another. Simulation of one operating system in another operating system. For example, DOS is simulated in the Unix operating system.

25

30

Another solution is to use a "Universal Driver Server" patent application no. 09/564,619 filed May 4, 2000, that can transform almost any file through a server. For example, if a person receives a game that is compatible only for Macintosh, and the person owns an Intel computer, then that person may go on the Internet to look for the same game in a format that is compatible to their own operating system. This solution works in some cases, but very often, similar software is not found.

#### Summary Of The Invention

An object of this invention is to provide a procedure that allows a person to use data, from one computer operating system, in a computer having a different operating system.

Another object of the present invention is to provide a universal server online that is able to transform fully any type of file.

Another object of the present invention is to convert file from one application format or version to another.

These and other objectives are attained with a method and system for re-formatting computer files. The method comprises the steps of inputting a data file into a computer, and determining if the data file is compatible with the computer. If the data file or application program is not compatible with the computer or application, the data file or program is transmitted over the Internet to a universal server; and the universal

server transforms the data file or program into a format compatible with the computer, and sends the transformed data file back to the computer.

5 Preferably, the universal server identifies the type of file or application program, and transforms the file into a different format of the same type. Also, in a preferred embodiment, a user of the computer identifies user requirements, these requirements are transmitted to  
10 the universal server, and the file is reformatted in accordance with the user requirements.

15 With the present invention, for example, a person, who owns a Dell computer, may receive a program from a Macintosh user. The person can then go on the Internet, and the sever automatically takes the program and transforms it into a compatible form. The program is then sent back to the person in a usable form. This process can be done with any type of file.

20 We are offering a business model program developers will have agreement with universal conversion server to keep links to their source code. When customer/user pays for license, for example the limited access to the source  
25 code will be given to compile it on appropriate operating system.

30 Further benefits and advantages of the invention will become apparent from a consideration of the following detailed description, given with reference to the accompanying drawings, which specify and show preferred embodiments of the invention.

## Brief Description Of The Drawings

5 Figure 1 is a general block diagram illustrating a universal conversion server embodying this invention.

Figure 2 is an example of a database that is used by the universal server of Figure 1.

10 Figure 3 generally illustrates a procedure for reformatting a program.

15 Figure 4 is a flow chart of a preferred universal conversion system.

## Detailed Description Of The Preferred Embodiments

20 Figure 1 shows the general block scheme of a universal conversion server. In this service, a network 100 is connected to a computer 101, which may be a personal computer. The computer is connected to a microphone 102 and to a keyboard 103. The computer also has the appropriate driver 110. Voice commands or input are given through the microphone, typed commands are given  
25 through the keyboard, and the driver is used to transmit data to disks and compact disks.

30 If, for example, a person may receive data from the Internet in the form of voice data, the person may want to compress the data into another format because the person may not have a compatible driver. In this case,











converted, the data are sent to the Universal Formatting Server.

The Universal Conversion Server checks the User Requirements 200. If this Conversion Server finds that it cannot convert a certain file, it looks in a computer description 206. This computer description can be located on the computer 101 or on the Universal Conversion Server Database. The actual computer description 207 includes four components: row 208 shows the operating system, in this case it is NT; row 209 shows the type of computer, here it is Intel; row 210 shows what driver is being used; and row 211 shows the word processor that is being used. The computer description system is read from a special system file that is located on a computer 115.

Figure 3 explains what needs to be done when a computer's operating system is not compatible with a program. First, the name of the program is read by the Universal Driver. It was explained above that the Universal Driver can read the name of the program and check whether such program is available for a different operating systems. If not, Universal Driver sends the program to the UCS which searches for the source code in order to compile the program. Table 300 shows the features associated with the program. 301 is the link to the program's source code, 302 is the program's executable code, and 303 is the programs's file name. These data are searched in the database of source codes 110, where many source codes are held. If the same name exists among more than one program in the database, the UCS reads the

information from the description module 304. 305 is the license agreement, 306 shows what compilations are allowed, and 307 shows the fees for the recompilations.

5 Figure 4 is a flow chart of the universal conversion system. At step 400, files are entered into the computer (either from the user or from network), and at step 401 the UCS is contacted. At step 402, a check is made to determine whether the file format is compatible with the  
10 operating system(OS) in the computer. If the format is not compatible, it means that the file is not recognized by a OS (i.e. on any input media such as CD-ROM, a floppy disk, tape, e-mail, etc.). In this case, the file is sent to the Universal Driver, as represented by step 403.  
15 A Universal Driver that may be used is disclosed in U.S. patent application no. \_\_\_\_\_ for "Universal Driver Server," filed \_\_\_\_\_ (Attorney Docket 13441), the disclosure of which is herein incorporated by reference.

20 On the Universal Driver system, the data can be reformatted, as represented by step 404, into a format compatible to the OS (for example, audio data can be formatted from OS in Apple to OS in Intel). If, at step 402, it is determined that the file is compatible with  
25 the system, then the routine proceeds to step 407.

If the data do not need to be reformatted, the routine proceeds to step 414 and the data are processed as the user requests. Otherwise, the file is sent, to the  
30 universal server; and this server checks, at step 407, whether the file is executables -- i.e., programs that were obtained after compilation. If the file is

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executable, then, as represented by steps 408 and 409,  
the routine checks the Universal Driver to determine  
whether the program can be replaced on the Universal  
Driver. Copending patent application no. \_\_\_\_\_

5 (Attorney Docket No. 13441) describes a suitable  
Universal Driver that can be used in the practice of this  
invention.

10 If the program can be so replaced, then, at step 410, the  
program is replaced at the Universal Driver; and then, at  
step 411, the program is are sent to the user. If,  
however, at step 409, the program can not be replaced at  
the Universal Driver, then the routine proceeds to step  
15 412, where the UCS checks to determine if the source  
code exists on the storage of source code 110. If the  
source code does not exist, the routine exits. If the  
source code exists, then the program is recompiled, at  
step 413, in a new OS (using 108), and then the program  
is sent to the user.

20 At step 414, the routine checks for instructions to  
format data. First, it check the user instructions. If  
they are absent, it checks the computer menu  
instructions. After that, data are formatted, at step  
25 415, according to the instructions, and then the data are  
sent to the user.

30 While it is apparent that the invention herein disclosed  
is well calculated to fulfill the objects stated above,  
it will be appreciated that numerous modifications and  
embodiments may be devised by those skilled in the art,  
and it is intended that the appended claims cover all





## CLAIMS

1 1. A method for re-formatting computer files, comprising  
2 the steps:

3  
4 inputting a data file into a computer;

5  
6 determining if the data file is compatible with the  
7 computer or applications which exist on the computer;

8  
9 if the data file is not compatible with the computer,  
10 transmitting the data file over the Internet to a  
11 universal server; and

12  
13 the universal server, transforming the data file into a  
14 format compatible with the computer, and sending the  
15 transformed data file back to the computer.

1 2. A method according to Claim 1, wherein the  
2 transforming step includes the steps of, the universal  
3 server identifying the type of file, and transforming the  
4 file into a different format of the same type.

1 3. A method according to Claim 1, further comprising the  
2 steps of:

3  
4 a user of the computer identifying user requirements; and

5  
6 transmitting the user requirements to the universal  
7 server; and wherein

9 the transforming step includes the step of re-formatting  
10 the file in accordance with the user requirements.

1 4. A method according to Claim 1, wherein, when data  
2 needs to be converted, the data are sent to a universal  
3 conversion server; the universal conversion server checks  
4 user requirements; if the universal conversion server  
5 finds that the service cannot convert a certain file, the  
6 service looks in a computer description; the computer  
7 description can be located on the computer or on a  
8 universal conversion server database.

1 5. A method according to Claim 1, wherein, when a  
2 computer's operating system is not compatible with a  
3 program, the program is sent to a Universal Driver where  
4 the program is to be formatted; when being formatted, the  
5 program is looked over to identify components of the  
6 program including links to the program source code, the  
7 program's executable code, the program's file name;  
8 entering data to a database of source codes, where many  
9 source codes are held; and if the same name exists among  
10 more than one program in the database UCS reads the  
11 information from the description module.

1 6. A method according to Claim 1, wherein file gets  
2 converted from one application format or version into  
3 another

1 7. A universal program conversion method, comprising the  
2 steps:  
3







if the data file is not compatible with the computer,  
transmitting the data file over the Internet to a  
universal server; and

the universal server, transforming the data file into a format compatible with the computer, and sending the transformed data file back to the computer.

13. A program storage device according to Claim 12, wherein the transforming step includes the steps of, the universal server identifying the type of file, and transforming the file into a different format of the same type.

14. A program storage device according to Claim 12,  
further comprising the steps of:

a user of the computer identifying user requirements; and

transmitting the user requirements to the universal server; and wherein

the transforming step includes the step of re-formatting the file in accordance with the user requirements.

15. A program storage device according to Claim 12, wherein, when data needs to be converted, the data are sent to a universal conversion server; the universal conversion server checks user requirements; if the universal conversion server finds that the service cannot convert a certain file, the service looks in a computer description; the computer description can be located on

the computer or on a universal conversion server database.

16. A program storage device according to Claim 12, wherein, when a computer's operating system is not compatible with a program, the program is sent to a Universal Driver where the program is to be formatted; when being formatted, the program is looked over to identify components of the program including links to the program source code, the program's executable code, the program's file name; entering data to a database of source codes, where many source codes are held; and if the same name exists among more than one program, then the UCS reads the information from the description module.





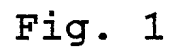


Fig. 1



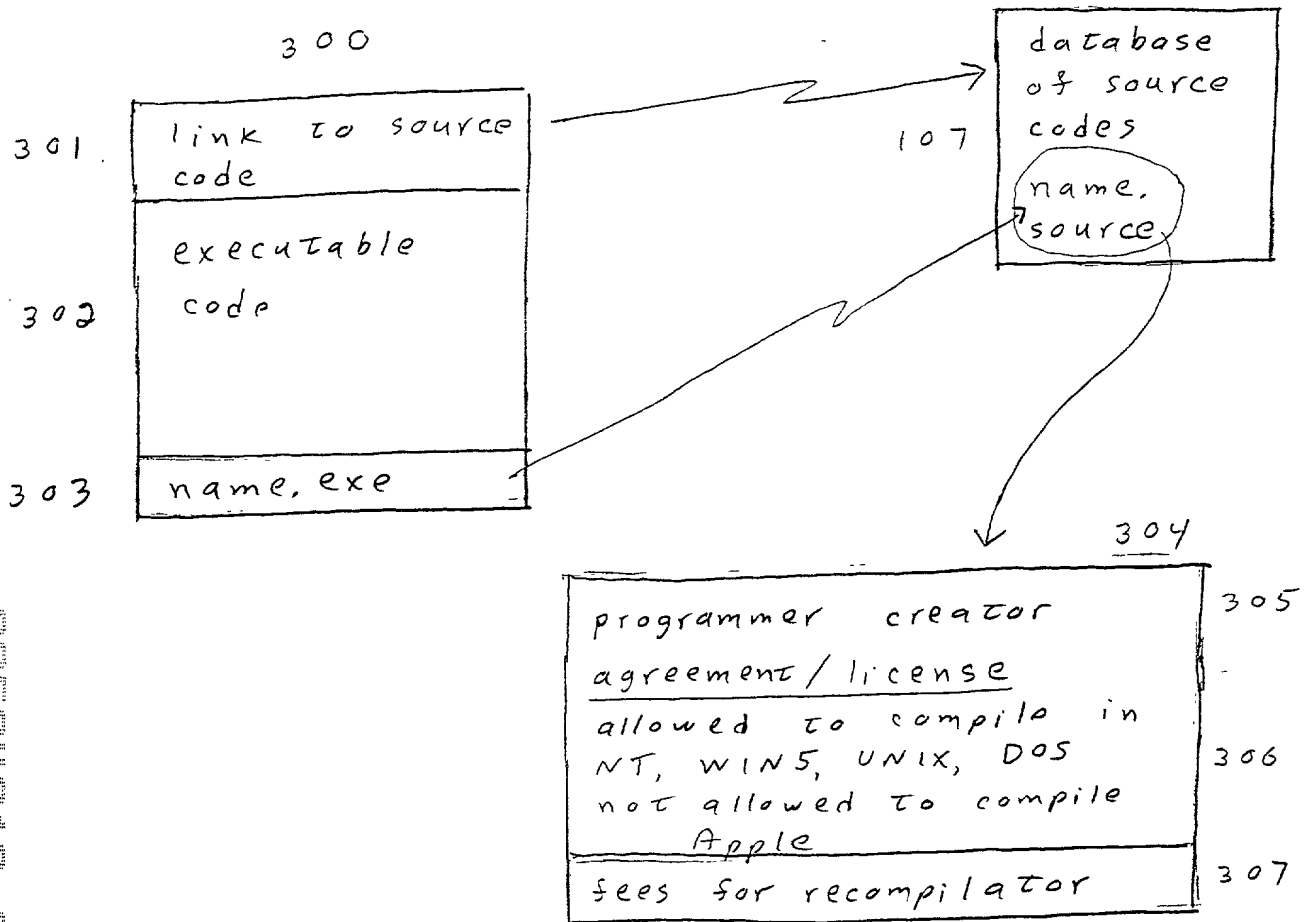


Fig. 3

001650-01818550



Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	5.8	5	35
Health status	0.8	0.4	0	1
Smoking status	0.3	0.5	0	1
Alcohol consumption	0.2	0.4	0	1
Exercise frequency	0.5	0.5	0	1
Stress level	3.2	1.8	1	5
Sleep quality	0.7	0.3	0	1
Work satisfaction	0.6	0.5	0	1
Life satisfaction	0.8	0.4	0	1

SSM&P Docket No.:13539  
IBM Docket No.:YOR9-2000-0196US1

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## UNIVERSAL CONVERSION SERVER

the specification of which (check one)

☒ is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as United States Application Number \_\_\_\_\_  
or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed
(Number) _____ (Country) _____ (Day/Month/Year Filed) _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number) _____ (Country) _____ (Day/Month/Year Filed) _____	<input type="checkbox"/> Yes <input type="checkbox"/> No
(Number) _____ (Country) _____ (Day/Month/Year Filed) _____	<input type="checkbox"/> Yes <input type="checkbox"/> No

☐ I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Number) _____	(Filing Date) _____
(Application Number) _____	(Filing Date) _____

☐ I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) _____	(Filing Date) _____	(Status) (patented, pending, abandoned) _____
(Application Serial No.) _____	(Filing Date) _____	(Status) (patented, pending, abandoned) _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number).

Manny W. Schecter (Reg. 31,722), Terry J. Ilardi (Reg. 29,936), Christopher A. Hughes (Reg. 26,914), Edward A. Pennington (Reg. 32,588), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Douglas W. Cameron (Reg. No. 31,596), Wayne L. Ellenbogen (Reg. No. 43,602), Stephen C. Kaufman (Reg. No. 29,551), Daniel P. Morris (Reg. No. 32,053), Louis J. Percello (Reg. No. 33,206), Jay P. Sbrollini (Reg. No. 36,266), David M. Shofi (Reg. No. 39,835), Robert M. Trepp (Reg. No. 25,933) and Louis P. Herzberg (Reg. No. 41,500).

SSM&P Docket No.:13539  
IBM Docket No.:YOR9-2000-0196US1Send Correspondence to: Richard L. Catania, Scully, Scott, Murphy & Presser400 Garden City Plaza, Garden City, New York 11530Direct Telephone Calls to: (name and telephone number) Richard L. Catania, (516) 742-4343Dimitri Kanevsky

Full name of sole or first inventor

May 26 / 2000

Inventor's Signature

Date

1358 Spring Valley Road, Ossining, NY 10563

Residence

United States of America

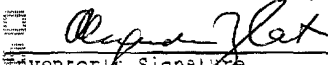
Citizenship

Same as above

Post Office Address

Alexander Zlatsin

Full name of second joint inventor, if any

  
Inventor's Signature5/30/2000

Date

648 Kessler Place, Yorktown Heights, NY 10598

Residence

United States of America

Citizenship

Same as above

Post Office Address

001.E50100